

# Storm Data and Unusual Weather Phenomena - December 2006

<u>Location</u>	<u>Date/Time</u>	<u>Deaths &amp; Injuries</u>	<u>Property &amp; Crop Dmg</u>	<u>Event Type and Details</u>
<b>TEXAS, North</b>				
<b>HOPKINS (TX-Z107), RAINS (TX-Z123), MILLS (TX-Z142), HAMILTON (TX-Z143), BOSQUE (TX-Z144), LAMPASAS (TX-Z156), CORYELL (TX-Z157), BELL (TX-Z158), MCLENNAN (TX-Z159)</b>				
	12/01/06 00:00 CST	0	0.23M	Drought
	12/31/06 23:59 CST	0	0.23M	
Drought conditions improved across much of North Texas this month. Only a few counties in North Texas were listed under the extreme drought (D3) category this month, according to the U.S. Drought Monitor. But impacts were felt even in areas that are not considered to be in extreme drought or worse. Even with reduced water usage and evaporation rates during the winter months, lake levels remained extremely low, and above normal precipitation will be needed for several months to improve the deficits. Lake Bridgeport remained almost 18 feet below normal, and Lake Lavon was over 16 feet below normal. These figures ensure that the effects from the drought now almost two years in duration will be felt into next summer.				
<b>WISE COUNTY</b>				
9 SSW DECATUR	12/20/06 06:00 CST	0	10K	Thunderstorm Wind (EG 50 kt)
	12/20/06 06:00 CST	0	0	33.11N, 97.54W
A few signs were blown down along Highways 114 and 151 near the leading edge of a shallow line of thunderstorms.				
<b>An upper level low pressure system and associated Pacific front moved through North Texas in the early morning hours.</b>				
<b>CORYELL COUNTY</b>				
3 SW OGLESBY	12/29/06 13:01 CST	0	0.20M	Tornado (F1, L: 4.50 mi , W: 100 yd)
1.5 NE OGLESBY	12/29/06 13:06 CST	0	0	31.3893N, 97.5559W ~ 31.4353N, 97.502W
A damage survey conducted by the National Weather Service Forecast Office in Fort Worth revealed that a tornado developed just south of CR 315 and moved rapidly north-northeast. It damaged numerous trees along CR 315 and FM 107. As the tornado moved just west of Oglesby, it damaged homes and sheds along CR 303, CR 305, and CR 306. A home south of CR 306 had shingles and a portion of roof decking removed. The tornado dissipated just north of Highway 84.				
<b>ERATH COUNTY</b>				
4 S ALEXANDER	12/29/06 13:20 CST	0	25K	Tornado (F1, L: 8.00 mi , W: 75 yd)
4 N ALEXANDER	12/29/06 13:29 CST	0	0	32.0122N, 98.2W ~ 32.1278N, 98.2W
Several residents reported seeing a tornado near Alexander. A local dairy was destroyed, as was a barn. Damage to fences and trees was also reported. Numerous cows were killed.				
<b>ERATH COUNTY</b>				
2 S STEPHENVILLE	12/29/06 13:35 CST	0	15K	Tornado (F0, L: 4.00 mi , W: 50 yd)
2 N STEPHENVILLE	12/29/06 13:40 CST	0	0	32.2011N, 98.2W ~ 32.2589N, 98.2W
Many local residents saw a tornado touch down south of Stephenville. The tornado apparently caused minor damage to trees and fences before lifting off just north of town. Minor damage was also reported at a cement plant on the eastern edge of town.				
<b>BOSQUE COUNTY</b>				
4.5 NW VALLEY MILLS	12/29/06 13:41 CST	0	2K	Tornado (F0, L: 1.00 mi , W: 75 yd)
5.5 NW VALLEY MILLS	12/29/06 13:44 CST	0	0	31.696N, 97.5341W ~ 31.7062N, 97.5461W
The National Weather Service in Fort Worth conducted a damage survey and found that a brief tornado formed northwest of Valley Mills and caused damage to trees along County Road 3310.				
<b>LIMESTONE COUNTY</b>				
2 NNW KOSSE	12/29/06 13:42 CST	1	1M	Tornado (F2, L: 20.40 mi , W: 400 yd)
5 N GROESBECK	12/29/06 14:08 CST	20	0	31.3267N, 96.643W ~ 31.6023N, 96.52W

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A damage survey was conducted by a team from the National Weather Service Forecast Office in Fort Worth, and they found that a tornado formed near Kosse. The first sign of damage found by the survey team was uprooted trees along CR 662. The tornado took a north-northeast track and several areas of large uprooted trees were found along CR 660, CR 656, CR 644, FM 1246 and FM 147. Damage to barns, sheds, and roofs was also found in this stretch.				
Substantial damage was found along CR 635 where a home was struck, resulting in one fatality and several injuries. Portions of the roof were removed and an adjacent barn was heavily damaged. A barn was destroyed along the adjacent road CR 633. The next significant damage was along Highway 164 just west of Groesbeck, where several homes, barns, and trees suffered considerable damage. Numerous livestock were killed along the path. A total of about sixty homes and businesses were damaged in Limestone County, and it has since been designated a disaster area by the Governor. The tornado then continued north into Fort Parker State Park. Lack of damage here indicated that the tornado dissipated nearby.				
<b>ERATH COUNTY</b>				
1 SE STEPHENVILLE	12/29/06 13:45 CST	0	0	Tornado (F0, L: 1.41 mi , W: 40 yd)
1 NE STEPHENVILLE	12/29/06 13:49 CST	0	0	32.2198N, 98.1879W ~ 32.2402N, 98.1879W
A tornado was reported on the ground at Highway 377 North moving north towards CR 176. No damage was reported.				
<b>BOSQUE COUNTY</b>				
5.5 ESE CLIFTON	12/29/06 13:48 CST	0	10K	Tornado (F0, L: 1.50 mi , W: 75 yd)
6.7 ESE CLIFTON	12/29/06 13:50 CST	0	0	31.7496N, 97.4936W ~ 31.7429N, 97.4747W
The National Weather Service in Fort Worth conducted a damage survey and concluded that a weak tornado touched down east-southeast of Clifton. Tree damage and minor roof and window damage was noted along CR 3350 and CR 3355.				
<b>LIMESTONE COUNTY</b>				
3 W MEXIA	12/29/06 14:12 CST	0	10K	Tornado (F0, L: 3.58 mi , W: 35 yd)
5 NW MEXIA	12/29/06 14:18 CST	0	0	31.68N, 96.551W ~ 31.7311N, 96.5601W
This weak tornado took a north-northeast track. It caused minor tree, barn, and shed damage along Highway 171 and FM 3119.				
<b>BOSQUE COUNTY</b>				
4.3 E CLIFTON	12/29/06 14:53 CST	0	0.40M	Tornado (F2, L: 7.14 mi , W: 300 yd)
9.5 NE CLIFTON	12/29/06 15:05 CST	0	0	31.78N, 97.5069W ~ 31.8771N, 97.4657W
The National Weather Service in Fort Worth conducted a damage survey and concluded a tornado formed east of Clifton. The tornado took a northeast track and went on to damage trees along CR 3355 just south of FM 708. The tornado also heavily damaged a turkey farm at the intersection of CR 3355 and FM 708. Debris from the turkey farm was scattered over a quarter mile northeast of the farm. The tornado continued northeast and heavily damaged two barns on CR 3440 south of the Womack community. Trees and fences were damaged along CR 3410 and CR 3415 just south and east of Womack. The tornado then crossed FM 219 east of Womack and dissipated near the intersection of FM 219 and Highway 22.				
<b>BOSQUE COUNTY</b>				
12.5 NE CLIFTON	12/29/06 15:07 CST	0	2K	Tornado (F0, L: 0.70 mi , W: 50 yd)
13.2 NE CLIFTON	12/29/06 15:09 CST	0	0	31.9078N, 97.4296W ~ 31.9149N, 97.4211W
The National Weather Service in Fort Worth conducted a storm survey and concluded a tornado formed approximately two miles south of the Canyons subdivision on the west shore of Lake Whitney. Only tree damage was found, and the tornado dissipated after traveling less than a mile.				
<b>PALO PINTO COUNTY</b>				
2 N MINERAL WELLS	12/29/06 15:13 CST	0	7K	Tornado (F0, L: 2.00 mi , W: 50 yd)
4 N MINERAL WELLS	12/29/06 15:16 CST	0	0	32.8289N, 98.1W ~ 32.8578N, 98.1W
Minor structural damage to the front part of the roof of a house was reported. Public report relayed by Emergency Manager. No other damage reported.				
<b>HILL COUNTY</b>				
4 S BLUM	12/29/06 15:25 CST	0	0.50M	Tornado (F2, L: 7.95 mi , W: 587 yd)
4.6 NE BLUM	12/29/06 15:45 CST	0	0	32.0922N, 97.4W ~ 32.197N, 97.3444W
The National Weather Service in Fort Worth conducted a damage survey and found that a tornado developed west of FM 933 and south of CR 1145. Tree damage was noted as the tornado crossed FM 933 and FM 67 one mile southeast of Blum. The tornado apparently increased in size and intensity after crossing FM 67. A large grain silo was toppled over on CR 1137, roughly 1.5 miles northeast of Blum. Extensive tree and power pole damage was also noted. The path width was over a quarter of a mile at this time. As the tornado crossed County Roads 1136 and 1133, widespread tree damage was noted, as was structural damage to roofs and windows. The tornado then moved across FM 2488 just south of the Johnson County line, where a well-engineered home lost portions of roof decking and a large barn was destroyed. Portions of the barn's metal skin were carried over a mile to the north-northeast. The tornado then crossed into Johnson County.				

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<b>JACK COUNTY</b>				
PERRIN	12/29/06 15:30 CST	0	0	Funnel Cloud
	12/29/06 15:30 CST	0	0	33.03N, 98.07W
Funnel cloud spotted but not a confirmed tornado. No damage was reported.				
<b>LEON COUNTY</b>				
5 NE NORMANGEE	12/29/06 15:33 CST	0	5K	Tornado (F0, L: 5.71 mi , W: 50 yd)
10 NNE NORMANGEE	12/29/06 15:40 CST	0	0	31.0811N, 96.0603W ~ 31.1636N, 96.0554W
Power lines were downed near Normangee. This tornado was a border-crosser and moved from Madison County north into Leon County.				
<b>JACK COUNTY</b>				
TRUCE	12/29/06 15:40 CST	0	0	Tornado (F0, L: 1.00 mi , W: 30 yd)
1 N TRUCE	12/29/06 15:44 CST	0	0	33.42N, 98.03W ~ 33.4345N, 98.03W
Bowie Police Department relayed a public report of a tornado in northeast Jack County near the Montague County line. No damage was reported.				
<b>JOHNSON COUNTY</b>				
5.3 SE RIO VISTA	12/29/06 15:45 CST	0	2M	Tornado (F2, L: 14.70 mi , W: 587 yd)
2 SW ALVARADO	12/29/06 16:03 CST	12	0	32.1758N, 97.316W ~ 32.3796N, 97.2442W
The National Weather Service in Fort Worth conducted a damage survey and found that the tornado which originated in Hill County continued on its destructive northeast path into Johnson County. Damage to sheds and vegetation was noted along County Roads 1205 and 1204. The most significant damage to structures was found near FM 916, CR 1202, and CR 1205, northeast to near Highway 171. Several structures were unroofed while others suffered partial roof loss. Major damage to trees was also noted here. Damage to homes and trees continued along the track near CR 421, CR 423, and CR 415 just north of Highway 4. The tornado then crossed FM 2415. The last observed damage was along the south shore of Lake Alvarado. County officials reported that twenty-two residences were destroyed, twenty were heavily damaged, and twenty more had minor damages. Ten people were taken to local hospitals. Most were for minor injuries, but two suffered more serious injuries and were released from the hospital the next day. The Governor designated Johnson County a disaster area.				
<b>LEON COUNTY</b>				
1 S CENTERVILLE	12/29/06 15:45 CST	0	35K	Tornado (F0, L: 2.00 mi , W: 50 yd)
1 N CENTERVILLE	12/29/06 15:49 CST	0	0	31.2355N, 95.98W ~ 31.2645N, 95.98W
At least three barns and one residence were damaged on CR 977 near CR 210 and also at the intersection of FM 2045 and CR 4025.				
<b>JOHNSON COUNTY</b>				
CLEBURNE	12/29/06 15:52 CST	0	10K	Hail (1.75 in)
	12/29/06 15:52 CST	0	0	32.35N, 97.4W
Golfball-size hail reported on Main Street.				
<b>JOHNSON COUNTY</b>				
2.8 N ALVARADO	12/29/06 16:07 CST	0	40K	Tornado (F0, L: 1.30 mi , W: 70 yd)
4.1 N ALVARADO	12/29/06 16:09 CST	0	0	32.4405N, 97.22W ~ 32.4593N, 97.22W
The National Weather Service in Fort Worth conducted a damage survey and found that a tornado formed about 3 miles north of Alvarado. The tornado damaged a shed and caused roof and window damage to several structures along CR 604, east of the Happy Hill community, before dissipating.				
<b>LEON COUNTY</b>				
5 E BUFFALO	12/29/06 16:12 CST	0	5K	Tornado (F0, L: 3.83 mi , W: 50 yd)
5 NE BUFFALO	12/29/06 16:16 CST	0	0	31.47N, 95.9852W ~ 31.5211N, 96.0101W
Damage was reported along Highway 79 east of Buffalo.				
<b>BELL COUNTY</b>				
TEMPLE	12/29/06 16:17 CST	0	0	Hail (0.88 in)
TROY	12/29/06 16:30 CST	0	0	31.1N, 97.35W ~ 31.2N, 97.3W
Nickel-size hail was reported in Temple at 4:17 PM CST and in Troy at 4:30 PM CST.				
<b>TARRANT COUNTY</b>				

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FT WORTH	12/29/06 16:50 CST	0	0	Flash Flood (due to Heavy Rain)
	12/29/06 19:00 CST	0	0	32.75N, 97.35W
Five locations were flooded near the intersection of Highway 287 and Berry Street.				
<b>ANDERSON COUNTY</b>				
8 S BETHEL	12/29/06 16:55 CST	0	10K	Tornado (F0, L: 6.74 mi , W: 50 yd)
2 SE BETHEL	12/29/06 17:03 CST	0	0	31.8043N, 95.93W ~ 31.8996N, 95.9059W
Spotters confirmed a tornado on the ground west of Tennessee Colony and south of Bethel. Some structural damage was reported.				
<b>ANDERSON COUNTY</b>				
8 SW PALESTINE	12/29/06 17:50 CST	0	0.20M	Tornado (F1, L: 4.00 mi , W: 50 yd)
4 SW PALESTINE	12/29/06 17:55 CST	0	0	31.6682N, 95.7261W ~ 31.7091N, 95.6781W
Structural damage to homes was reported near the intersection of FM 1990 and Highway 294. Roofs were partially removed, trees were blown onto houses, and trees and power lines blown down. One house on CR 2137 just off FM 1990 had the ceiling cave in. In addition, the front porch was completely removed from the house and found in pieces over a hundred yards away. A horse trailer in the backyard was thrown about fifty yards from its original location and landed on its side.				
<b>ROBERTSON COUNTY</b>				
4 W HEARNE	12/29/06 17:54 CST	0	0	Tornado (F0, L: 2.95 mi , W: 50 yd)
2 NW HEARNE	12/29/06 17:58 CST	0	0	30.88N, 96.6674W ~ 30.9004N, 96.6238W
The Hearne Fire Department reported a tornado on the ground near the Milam/Robertson County line. No damage was reported.				
<b>ANDERSON COUNTY</b>				
PALESTINE	12/29/06 18:20 CST	0	20K	Thunderstorm Wind (EG 50 kt)
	12/29/06 18:20 CST	0	0	31.75N, 95.63W
Downed trees and power lines blocked numerous areas of downtown Palestine including South Magnolia at Bowers Street and Stephanie Drive, and Pecan, West Carolina, Timberline, and East Neches Streets.				
<b>HENDERSON COUNTY</b>				
1 S POYNOR	12/29/06 18:34 CST	0	2M	Tornado (F1, L: 3.00 mi , W: 100 yd)
2 N POYNOR	12/29/06 18:38 CST	0	0	32.0655N, 95.58W ~ 32.1089N, 95.58W
At least two dozen houses were damaged in Poynor Friday night as a tornado ripped through the community. Dozens of sheds, barns, and storage units were demolished. Significant damage to roofs and garages occurred at residences, while dozens of fences and trees were blown down. At least one home was considered a total loss. A metal support beam from a destroyed storage unit was driven through a truck, and the truck was then rolled onto its side by the strong winds. Numerous other vehicles were rolled and damaged by debris. In addition, houses which had portions of their roofs removed sustained heavy water damage from the rainfall following the tornado.				
<b>FREESTONE COUNTY</b>				
WORTHAM	12/29/06 18:55 CST	0	0	Flash Flood (due to Heavy Rain)
KIRVIN	12/29/06 23:00 CST	0	0	31.78N, 96.47W ~ 31.77N, 96.33W
Up to two feet of water was reported in and between Wortham and Kirvin along CR 27.				
<b>TARRANT COUNTY</b>				
FT WORTH	12/29/06 19:02 CST	0	0	Flash Flood (due to Heavy Rain)
	12/29/06 21:00 CST	0	0	32.75N, 97.35W
West Weatherford Street barricaded due to continued flash flooding.				
<b>ANDERSON COUNTY</b>				
2 N PALESTINE	12/29/06 19:30 CST	0	30K	Tornado (F1, L: 11.26 mi , W: 100 yd)
2 NW ELMWOOD	12/29/06 19:42 CST	0	0	31.7789N, 95.63W ~ 31.9404N, 95.6541W
A tornado formed near the intersection of CR 403 and CR 404 and moved north to near Elmwood, causing damage to homes, trees, sheds, and power lines. Trees were split, twisted, and uprooted. The county judge surveyed the damage and found the worst to be between FM 315 and CR 404.				
<b>BELL COUNTY</b>				

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TEMPLE	12/29/06 19:30 CST	0	60K	Lightning
	12/29/06 19:30 CST	0	0	31.1N, 97.35W
Lightning started a fire at an apartment complex, causing smoke and fire damage in four units upstairs, and smoke and water damage in the four units below. At least ten to twelve people were displaced by the fire.				
<b>NAVARRO COUNTY</b>				
CORSICANA	12/29/06 19:45 CST	0	0	Flash Flood (due to Heavy Rain)
	12/29/06 22:15 CST	0	0	32.1N, 96.47W
Flash flooding was reported on Seventh Avenue and Oaklawn by the Corsicana Police Department.				
<b>HUNT COUNTY</b>				
GREENVILLE	12/29/06 20:00 CST	0	15K	Lightning
	12/29/06 20:00 CST	0	0	33.13N, 96.12W
Lightning struck a utility substation and knocked out power to some 1,200 residences and businesses.				
<b>FREESTONE COUNTY</b>				
TEAGUE	12/29/06 20:41 CST	0	10K	Flash Flood (due to Heavy Rain)
	12/29/06 23:30 CST	0	0	31.62N, 96.28W
A car was submerged in flood waters at the intersection of FM 1365 and CR 901 with water up to its headlights. A high water rescue was required.				
<b>LIMESTONE COUNTY</b>				
1 S GROESBECK	12/29/06 20:44 CST	0	0	Flash Flood (due to Heavy Rain)
	12/29/06 23:30 CST	0	0	31.5155N, 96.52W
FM 937 just south of Groesbeck was under water due to flooding.				
<b>KAUFMAN COUNTY</b>				
6 SE TERRELL	12/29/06 21:00 CST	0	50K	Flash Flood (due to Heavy Rain)
	12/29/06 22:30 CST	0	0	32.6687N, 96.2071W ~ 32.37N, 96.1W
Flooding reported on CR 429, FM 2727, FM 2578, FM 987, and CR 140 southeast of Terrell, while in Mabank the roof of a car service center collapsed from the weight of the rainwater. The collapse of the roof damaged a car, some equipment, and the brick support walls.				
<b>FREESTONE COUNTY</b>				
KIRVIN	12/29/06 21:30 CST	1	12K	Flash Flood (due to Heavy Rain)
	12/29/06 23:30 CST	0	0	31.77N, 96.33W
A car stalled in rising flood waters Friday night as heavy rains accompanied thunderstorms. The passengers all managed to get out of the car but were immediately swept away. The woman who was driving and her daughter made it to safety, but the other passenger, a small boy, was not found until several days later.				
<b>HUNT COUNTY</b>				
5 W QUINLAN	12/29/06 21:56 CST	0	0	Flash Flood (due to Heavy Rain)
	12/29/06 23:00 CST	0	0	32.9N, 96.2161W
Flooding was reported at CR 1565 and CR 35.				
<b>A rare winter tornado outbreak occurred on December 29 over portions of North Texas, spawning almost two dozen tornadoes. Very high shear and low instability created an environment favorable for tornadoes. A strong surface low pressure system and warm front located in southern North Texas increased the probability for low-level rotation. In addition to tornadoes, severe reports of large hail and flash flooding were widespread.</b>				